

Soil Descriptions - Non Technical

A15A--Effie-Ashlake Complex, Mlra-57, 0 To 2 Percent Slopes

Component Description

Effie, mlra-57 and similar soils

Extent: 55 percent of the unit

Geomorphic description:

Depression on moraine

Slope range: 0 to 1 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface March April May

Wet soil moisture status is lowest (depth, months):

2.5 feet February

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.5 foot March April May June November

Available water capacity to a depth of 60 inches: 9.5 inches

Content of organic matter in the upper 10 inches: 2.6 percent

Typical profile:

A--0 to 2 inches; loam

Eg--2 to 5 inches; loam

BE--5 to 8 inches; silty clay loam

Btg--8 to 20 inches; silty clay

BCg--20 to 64 inches; silty clay loam

Cg--64 to 80 inches; clay loam

Ashlake, mlra-57 and similar soils

Extent: 35 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Toeslope

Slope range: 0 to 4 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

1.0 foot April

Wet soil moisture status is lowest (depth, months):

4.9 feet October

Ponding: None

Available water capacity to a depth of 60 inches: 9.3 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

A--0 to 1 inches; loam
E--1 to 4 inches; loam
E/B--4 to 9 inches; loam
Bt--9 to 26 inches; silty clay
Bk--26 to 80 inches; clay loam

A16A--Ashlake-Suomi-Effie Complex, Mlra-57, 0 To 4 Percent Slopes

Component Description

Ashlake, mlra-57 and similar soils

Extent: 40 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Toeslope

Slope range: 0 to 4 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

1.0 foot April

Wet soil moisture status is lowest (depth, months):

4.9 feet October

Ponding: None

Available water capacity to a depth of 60 inches: 9.3 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

A--0 to 1 inches; loam
E--1 to 4 inches; loam
E/B--4 to 9 inches; loam
Bt--9 to 26 inches; silty clay
Bk--26 to 80 inches; clay loam

Suomi, mlra-57 and similar soils

Extent: 30 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Backslope

Shoulder

Slope range: 2 to 4 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

2.5 feet April

Wet soil moisture status is lowest (depth, months):

6.7 feet (transitory) August

Ponding: None

Available water capacity to a depth of 60 inches: 8.8 inches

Content of organic matter in the upper 10 inches: 2.9 percent

Typical profile:

A--0 to 4 inches; loam
E--4 to 7 inches; silt loam
B/E--7 to 11 inches; silty clay loam
Bt--11 to 39 inches; silty clay
BC--39 to 80 inches; clay loam

Effie, mlra-57 and similar soils

Extent: 15 percent of the unit

Geomorphic description:

Depression on moraine

Slope range: 0 to 1 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface March April May

Wet soil moisture status is lowest (depth, months):

2.5 feet February

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.5 foot March April May June November

Available water capacity to a depth of 60 inches: 9.5 inches

Content of organic matter in the upper 10 inches: 2.6 percent

Typical profile:

A--0 to 2 inches; loam
Eg--2 to 5 inches; loam
BE--5 to 8 inches; silty clay loam
Btg--8 to 20 inches; silty clay
BCg--20 to 64 inches; silty clay loam
Cg--64 to 80 inches; clay loam

A17B--Suomi-Ashlake Complex, Mlra-57, 2 To 8 Percent Slopes

Component Description

Suomi, mlra-57 and similar soils

Extent: 60 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Backslope

Shoulder

Slope range: 2 to 8 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

2.5 feet April

Wet soil moisture status is lowest (depth, months):

6.7 feet (transitory) August

Ponding: None

Available water capacity to a depth of 60 inches: 8.8 inches

Content of organic matter in the upper 10 inches: 2.9 percent

Typical profile:

A--0 to 4 inches; loam
E--4 to 7 inches; silt loam
B/E--7 to 11 inches; silty clay loam
Bt--11 to 39 inches; silty clay
BC--39 to 80 inches; clay loam

Ashlake, mlra-57 and similar soils

Extent: 25 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Toeslope

Slope range: 0 to 4 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

1.0 foot April

Wet soil moisture status is lowest (depth, months):

4.9 feet October

Ponding: None

Available water capacity to a depth of 60 inches: 9.3 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

A--0 to 1 inches; loam
E--1 to 4 inches; loam
E/B--4 to 9 inches; loam
Bt--9 to 26 inches; silty clay
Bk--26 to 80 inches; clay loam

A17C--Suomi-Ashlake Complex, Mllra-57, 8 To 15 Percent Slopes

Component Description

Suomi, mlra-57 and similar soils

Extent: 55 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Backslope

Shoulder

Slope range: 8 to 15 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

2.5 feet April

Wet soil moisture status is lowest (depth, months):

6.7 feet (transitory) August

Ponding: None

Available water capacity to a depth of 60 inches: 8.8 inches

Content of organic matter in the upper 10 inches: 2.9 percent

Typical profile:

A--0 to 4 inches; loam
E--4 to 7 inches; silt loam
B/E--7 to 11 inches; silty clay loam
Bt--11 to 39 inches; silty clay
BC--39 to 80 inches; clay loam

Ashlake, mlra-57 and similar soils

Extent: 25 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Toeslope

Slope range: 0 to 4 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

1.0 foot April

Wet soil moisture status is lowest (depth, months):

4.9 feet October

Ponding: None

Available water capacity to a depth of 60 inches: 9.3 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

A--0 to 1 inches; loam
E--1 to 4 inches; loam
E/B--4 to 9 inches; loam
Bt--9 to 26 inches; silty clay
Bk--26 to 80 inches; clay loam

A17D--Suomi-Ashlake Complex, Mlra-57, 3 To 35 Percent Slopes

Component Description

Suomi, mlra-57 and similar soils

Extent: 45 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Backslope

Shoulder

Slope range: 15 to 35 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

2.5 feet April

Wet soil moisture status is lowest (depth, months):

6.7 feet (transitory) August

Ponding: None

Available water capacity to a depth of 60 inches: 8.8 inches

Content of organic matter in the upper 10 inches: 2.9 percent

Typical profile:

A--0 to 4 inches; loam
E--4 to 7 inches; silt loam
B/E--7 to 11 inches; silty clay loam
Bt--11 to 39 inches; silty clay
BC--39 to 80 inches; clay loam

Ashlake, mlra-57 and similar soils

Extent: 30 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Toeslope

Slope range: 0 to 4 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

1.0 foot April

Wet soil moisture status is lowest (depth, months):

4.9 feet October

Ponding: None

Available water capacity to a depth of 60 inches: 9.3 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

A--0 to 1 inches; loam
E--1 to 4 inches; loam
E/B--4 to 9 inches; loam
Bt--9 to 26 inches; silty clay
Bk--26 to 80 inches; clay loam

A18A--Effie-Hamre, Depressional Complex 0 To 1 Percent Slopes

Component Description

Effie and similar soils

Extent: 50 percent of the unit

Geomorphic description:

Depression on moraine

Slope range: 0 to 1 percent

Surface layer texture: Mucky loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface March April May

Wet soil moisture status is lowest (depth, months):

2.5 feet February

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.5 foot March April May June November

Available water capacity to a depth of 60 inches: 9.5 inches

Content of organic matter in the upper 10 inches: 3.4 percent

Typical profile:

A--0 to 2 inches; mucky loam
Eg--2 to 5 inches; loam
BE--5 to 8 inches; silty clay loam
Btg--8 to 20 inches; silty clay
BCg--20 to 64 inches; silty clay loam
Cg--64 to 80 inches; clay loam

Hamre, depressional and similar soils

Extent: 30 percent of the unit

Geomorphic description:

Depression on moraine

Slope range: 0 to 1 percent

Surface layer texture: Muck

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface March April May

Wet soil moisture status is lowest (depth, months):

2.5 feet February

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.5 foot March April May June October
November

Available water capacity to a depth of 60 inches: 13.0 inches

Content of organic matter in the upper 10 inches: 65.0 percent

Typical profile:

Oa--0 to 13 inches; muck
A--13 to 18 inches; loam
Bg--18 to 35 inches; silty clay loam
BCg--35 to 71 inches; silty clay loam
Cg--71 to 80 inches; clay loam

A19A--Talmoon-Hamre, Depressional Complex, 0 To 1 Percent Slopes

Component Description

Talmoon and similar soils

Extent: 45 percent of the unit

Geomorphic description:

Flat on moraine

Swale on moraine

Slope range: 0 to 1 percent

Surface layer texture: Mucky silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface March April May

Wet soil moisture status is lowest (depth, months):

2.5 feet February

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.5 foot March April May June November

Available water capacity to a depth of 60 inches: 10.6 inches

Content of organic matter in the upper 10 inches: 8.0 percent

Typical profile:

A--0 to 6 inches; mucky silt loam
Eg--6 to 16 inches; silt loam
Btg--16 to 33 inches; clay loam
2Btg--33 to 42 inches; loam
2Cg--42 to 60 inches; clay loam

Hamre, depressional and similar soils

Extent: 35 percent of the unit

Geomorphic description:

Depression on moraine

Slope range: 0 to 1 percent

Surface layer texture: Muck

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface March April May

Wet soil moisture status is lowest (depth, months):

2.5 feet February

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.5 foot March April May June October
November

Available water capacity to a depth of 60 inches: 13.0 inches

Content of organic matter in the upper 10 inches: 65.0 percent

Typical profile:

Oa--0 to 13 inches; muck
A--13 to 18 inches; loam
Bg--18 to 35 inches; silty clay loam
BCg--35 to 71 inches; silty clay loam
Cg--71 to 80 inches; clay loam

A20B--Kelliher-Beltrami Complex, 0 To 8 Percent Slopes

Component Description

Kelliher and similar soils

Extent: 50 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Shoulder

Backslope

Slope range: 0 to 8 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

4.8 feet April May June

Wet soil moisture status is lowest (depth, months):

More than 6.7 feet January February March July
August September October
November December

Ponding: None

Available water capacity to a depth of 60 inches: 9.8 inches

Content of organic matter in the upper 10 inches: 2.9 percent

Typical profile:

A--0 to 3 inches; fine sandy loam

E--3 to 9 inches; fine sandy loam

Bt--9 to 30 inches; clay loam

Bk--30 to 69 inches; clay loam

C--69 to 80 inches; clay loam

Beltrami and similar soils

Extent: 30 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Footslope

Summit

Slope range: 1 to 3 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

| | | | | | |
|----------|---------|----------|----------|-------|-----|
| 2.0 feet | January | February | March | April | May |
| | June | November | December | | |

Wet soil moisture status is lowest (depth, months):

| | | | | |
|--------------------|------|--------|-----------|---------|
| More than 6.0 feet | July | August | September | October |
|--------------------|------|--------|-----------|---------|

Ponding: None

Available water capacity to a depth of 60 inches: 9.8 inches

Content of organic matter in the upper 10 inches: 3.8 percent

Typical profile:

Ap--0 to 6 inches; fine sandy loam

E--6 to 11 inches; fine sandy loam

Bt--11 to 34 inches; clay loam

Bk--34 to 60 inches; clay loam

A22A--Talmoon-Beltrami Complex, 0 To 2 Percent Slopes

Component Description

Talmoon and similar soils

Extent: 60 percent of the unit

Geomorphic description:

Flat on moraine

Swale on moraine

Slope range: 0 to 2 percent

Surface layer texture: Mucky silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

| | |
|----------|-------|
| 0.5 foot | April |
|----------|-------|

Wet soil moisture status is lowest (depth, months):

| | |
|----------|--------|
| 3.8 feet | August |
|----------|--------|

Ponding does not occur (months):

| | | | | | |
|---------|----------|-------|------|--------|----------|
| January | February | March | July | August | December |
|---------|----------|-------|------|--------|----------|

Ponding is deepest (depth, months):

| | | | | | | |
|----------|-------|-----|------|-----------|---------|----------|
| 0.3 foot | April | May | June | September | October | November |
|----------|-------|-----|------|-----------|---------|----------|

Available water capacity to a depth of 60 inches: 10.6 inches
Content of organic matter in the upper 10 inches: 8.0 percent

Typical profile:

A--0 to 6 inches; mucky silt loam
Eg--6 to 16 inches; silt loam
Btg--16 to 33 inches; clay loam
2Btg--33 to 42 inches; loam
2Cg--42 to 60 inches; clay loam

Beltrami and similar soils

Extent: 30 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Footslope

Slope range: 1 to 3 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

2.0 feet January February March April May
June November December

Wet soil moisture status is lowest (depth, months):

| More than 6.0 feet | July | August | September | October |
|--------------------|------|--------|-----------|---------|
| 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 |
| 31 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 |
| 33 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 |
| 36 | 0 | 0 | 0 | 0 |
| 37 | 0 | 0 | 0 | 0 |
| 38 | 0 | 0 | 0 | 0 |
| 39 | 0 | 0 | 0 | 0 |
| 40 | 0 | 0 | 0 | 0 |
| 41 | 0 | 0 | 0 | 0 |
| 42 | 0 | 0 | 0 | 0 |
| 43 | 0 | 0 | 0 | 0 |
| 44 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 0 |
| 46 | 0 | 0 | 0 | 0 |
| 47 | 0 | 0 | 0 | 0 |
| 48 | 0 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 0 |
| 51 | 0 | 0 | 0 | 0 |
| 52 | 0 | 0 | 0 | 0 |
| 53 | 0 | 0 | 0 | 0 |
| 54 | 0 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 | 0 |
| 56 | 0 | 0 | 0 | 0 |
| 57 | 0 | 0 | 0 | 0 |
| 58 | 0 | 0 | 0 | 0 |
| 59 | 0 | 0 | 0 | 0 |
| 60 | 0 | 0 | 0 | 0 |
| 61 | 0 | 0 | 0 | 0 |
| 62 | 0 | 0 | 0 | 0 |
| 63 | 0 | 0 | 0 | 0 |
| 64 | 0 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 | 0 |
| 66 | 0 | 0 | 0 | 0 |
| 67 | 0 | 0 | 0 | 0 |
| 68 | 0 | 0 | 0 | 0 |
| 69 | 0 | 0 | 0 | 0 |
| 70 | 0 | 0 | 0 | 0 |
| 71 | 0 | 0 | 0 | 0 |
| 72 | 0 | 0 | 0 | 0 |
| 73 | 0 | 0 | 0 | 0 |
| 74 | 0 | 0 | 0 | 0 |
| 75 | 0 | 0 | 0 | 0 |
| 76 | 0 | 0 | 0 | 0 |
| 77 | 0 | 0 | 0 | 0 |
| 78 | 0 | 0 | 0 | 0 |
| 79 | 0 | 0 | 0 | 0 |
| 80 | 0 | 0 | 0 | 0 |
| 81 | 0 | 0 | 0 | 0 |
| 82 | 0 | 0 | 0 | 0 |
| 83 | 0 | 0 | 0 | 0 |
| 84 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 |
| 86 | 0 | 0 | 0 | 0 |
| 87 | 0 | 0 | 0 | 0 |
| 88 | 0 | 0 | 0 | 0 |
| 89 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 |
| 91 | 0 | 0 | 0 | 0 |
| 92 | 0 | 0 | 0 | 0 |
| 93 | 0 | 0 | 0 | 0 |

Ponding: None

Available water capacity to a depth of 60 inches: 9.8 inches

Content of organic matter in the upper 10 inches: 3.8 percent

Typical profile:

Ap--0 to 6 inches; fine sandy loam
E--6 to 11 inches; fine sandy loam
Bt--11 to 34 inches; clay loam
Bk--34 to 60 inches; clay loam

A25A--Beltrami-Talmoon Complex, 1 To 3 Percent Slopes

Component Description

Beltrami and similar soils

Extent: 65 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit

Footslope

Slope range: 1 to 3 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

2.0 feet January February March April May
June November December

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet July August September October

Ponding: None

Available water capacity to a depth of 60 inches: 9.8 inches
Content of organic matter in the upper 10 inches: 3.8 percent

Typical profile:

Ap--0 to 6 inches; fine sandy loam
E--6 to 11 inches; fine sandy loam
Bt--11 to 34 inches; clay loam
Bk--34 to 60 inches; clay loam

Talmoon and similar soils

Extent: 20 percent of the unit

Geomorphic description:

Flat on moraine
Swale on moraine

Slope range: 0 to 2 percent

Surface layer texture: Mucky silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Parent material:

Fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

0.5 foot April

Wet soil moisture status is lowest (depth, months):

3.8 feet August

Ponding does not occur (months):

January February March July August December

Ponding is deepest (depth, months):

0.3 foot April May June September October
November

Available water capacity to a depth of 60 inches: 10.6 inches

Content of organic matter in the upper 10 inches: 8.0 percent

Typical profile:

A--0 to 6 inches; mucky silt loam
Eg--6 to 16 inches; silt loam
Btg--16 to 33 inches; clay loam
2Btg--33 to 42 inches; loam
2Cg--42 to 60 inches; clay loam

B42B--Haystore-Kooch Complex, 2 To 8 Percent Slopes

Component Description

Haystore and similar soils

Extent: 55 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Summit
Backslope
Shoulder

Slope range: 2 to 8 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Parent material:

Clayey till

Flooding: None

Wet soil moisture status is highest (depth, months):

2.5 feet April

Wet soil moisture status is lowest (depth, months):

More than 6.7 feet August

Ponding: None
Available water capacity to a depth of 60 inches: 9.7 inches
Content of organic matter in the upper 10 inches: 2.6 percent
Typical profile:
A--0 to 3 inches; silt loam
E--3 to 6 inches; silt loam
E/B--6 to 11 inches; silt loam
Bt--11 to 30 inches; clay
C--30 to 80 inches; silty clay loam

Kooch and similar soils

Extent: 30 percent of the unit
Geomorphic description:
Moraine
Position on landform:
Footslope
Slope range: 1 to 4 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat poorly drained
Parent material:
Clayey till
Flooding: None
Wet soil moisture status is highest (depth, months):
1.0 foot April
Wet soil moisture status is lowest (depth, months):
4.9 feet October
Ponding: None

Available water capacity to a depth of 60 inches: 10.2 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
A--0 to 3 inches; silt loam
E--3 to 5 inches; silt loam
E/B--5 to 11 inches; silt loam
Bt--11 to 22 inches; clay
Cg--22 to 80 inches; silty clay loam

B42C--Haystore-Kooch Complex 8 To 15 Percent Slopes

Component Description

Haystore and similar soils

Extent: 50 percent of the unit
Geomorphic description:
Moraine
Position on landform:
Summit
Backslope
Shoulder
Slope range: 8 to 15 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Moderately well drained
Parent material:
Clayey till
Flooding: None
Wet soil moisture status is highest (depth, months):
2.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet August
Ponding: None

Available water capacity to a depth of 60 inches: 9.7 inches
Content of organic matter in the upper 10 inches: 2.6 percent

Typical profile:

A--0 to 3 inches; silt loam
E--3 to 6 inches; silt loam
E/B--6 to 11 inches; silt loam
Bt--11 to 30 inches; clay
C--30 to 80 inches; silty clay loam

Kooch and similar soils

Extent: 30 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Footslope

Slope range: 1 to 4 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Clayey till

Flooding: None

Wet soil moisture status is highest (depth, months):

1.0 foot April

Wet soil moisture status is lowest (depth, months):

4.9 feet October

Ponding: None

Available water capacity to a depth of 60 inches: 10.2 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

A--0 to 3 inches; silt loam
E--3 to 5 inches; silt loam
E/B--5 to 11 inches; silt loam
Bt--11 to 22 inches; clay
Cg--22 to 80 inches; silty clay loam

B43A--Northwood-Berner Complex, Depressional, 0 To 1 Percent Slopes

Component Description

Berner, depressional and similar soils

Extent: 50 percent of the unit

Geomorphic description:

Depression on lake plain

Slope range: 0 to 1 percent

Surface layer texture: Muck

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Parent material:

Organic material over glaciolacustrine deposits and/or till

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface March April May June

Wet soil moisture status is lowest (depth, months):

2.1 feet February

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.5 foot March April May June

Available water capacity to a depth of 60 inches: 15.1 inches

Content of organic matter in the upper 10 inches: 65.0 percent

Typical profile:

Oa--0 to 28 inches; muck
A--28 to 31 inches; sandy loam
Bg--31 to 44 inches; sand
2CBkg--44 to 80 inches; silty clay loam

Northwood, depressional and similar soils

Extent: 30 percent of the unit

Geomorphic description:

Depression on lake plain

Slope range: 0 to 1 percent

Surface layer texture: Muck

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Parent material:

Organic material over glaciolacustrine deposits and/or till

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface March April May

Wet soil moisture status is lowest (depth, months):

2.5 feet February

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.5 foot March April May June October
November

Available water capacity to a depth of 60 inches: 11.1 inches

Content of organic matter in the upper 10 inches: 60.2 percent

Typical profile:

Oa--0 to 9 inches; muck
A--9 to 14 inches; fine sandy loam
Bg--14 to 24 inches; loamy fine sand
2BCKg--24 to 64 inches; silty clay loam
2Cg--64 to 80 inches; clay loam

B44B--Cutaway-Ricelake Complex, 2 To 6 Percent Slopes

Component Description

Cutaway and similar soils

Extent: 60 percent of the unit

Geomorphic description:

Rise on lake plain

Moraine

Position on landform:

Summit

Backslope

Slope range: 2 to 6 percent

Surface layer texture: Loamy sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Parent material:

Sandy outwash over fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

2.5 feet April

Wet soil moisture status is lowest (depth, months):

6.7 feet (transitory) August

Ponding: None

Available water capacity to a depth of 60 inches: 7.4 inches

Content of organic matter in the upper 10 inches: 1.6 percent

Typical profile:

A--0 to 3 inches; loamy sand
E--3 to 14 inches; loamy sand
E/B--14 to 31 inches; loamy sand
2Bt--31 to 39 inches; clay loam
2Bk--39 to 50 inches; clay loam
2C--50 to 80 inches; clay loam

Ricelake and similar soils

Extent: 30 percent of the unit

Geomorphic description:

Moraine

Flat on lake plain

Position on landform:

ERROR - YOU HAVE POPULATED HILLSLOPE POSITION TWICE

Slope range: 0 to 3 percent

Surface layer texture: Loamy sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Sandy outwash over fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

1.5 feet April

Wet soil moisture status is lowest (depth, months):

More than 6.7 feet February August

Ponding: None

Available water capacity to a depth of 60 inches: 7.2 inches

Content of organic matter in the upper 10 inches: 1.4 percent

Typical profile:

A--0 to 2 inches; loamy sand
E--2 to 23 inches; loamy sand
Bt--23 to 30 inches; sandy loam
Bw--30 to 35 inches; sand
2C--35 to 80 inches; clay loam

B49B--Kooch-Bionditch Complex, 2 To 8 Percent Slopes

Component Description

Kooch and similar soils

Extent: 60 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Footslope

Slope range: 1 to 4 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Clayey till

Flooding: None

Wet soil moisture status is highest (depth, months):

1.0 foot April

Wet soil moisture status is lowest (depth, months):

4.9 feet October

Ponding: None

Available water capacity to a depth of 60 inches: 10.2 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

A--0 to 3 inches; silt loam
E--3 to 5 inches; silt loam
E/B--5 to 11 inches; silt loam
Bt--11 to 22 inches; clay
Cg--22 to 80 inches; silty clay loam

Bionditch and similar soils

Extent: 25 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Backslope

Shoulder

Summit

Slope range: 1 to 8 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 40 to 60 inches

Drainage class: Somewhat poorly drained

Parent material:

Clayey till

Flooding: None

Wet soil moisture status is highest (depth, months):

1.0 foot April

Wet soil moisture status is lowest (depth, months):

4.9 feet October

Ponding: None

Available water capacity to a depth of 60 inches: 8.4 inches

Content of organic matter in the upper 10 inches: 2.8 percent

Typical profile:

A--0 to 3 inches; silt loam

E--3 to 9 inches; silt loam

Bt--9 to 24 inches; silty clay

C--24 to 51 inches; silty clay loam

2R--51 to 80 inches; bedrock

B50A--Ratroot-Dora Complex, 0 To 1 Percent Slopes

Component Description

Ratroot and similar soils

Extent: 60 percent of the unit

Geomorphic description:

Flat on moraine

Swale on moraine

Slope range: 0 to 1 percent

Surface layer texture: Muck

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Parent material:

Clayey till

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface March April May

Wet soil moisture status is lowest (depth, months):

1.6 feet February August

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.5 foot March April May June July August

September October November

Available water capacity to a depth of 60 inches: 11.0 inches

Content of organic matter in the upper 10 inches: 50.2 percent

Typical profile:

Oa--0 to 7 inches; muck
A--7 to 10 inches; mucky silty clay loam
Btg--10 to 33 inches; silty clay
Cg--33 to 80 inches; silty clay loam

Dora and similar soils

Extent: 20 percent of the unit

Geomorphic description:

Lake plain

Position on landform:

Swales and drainageways

Slope range: 0 to 1 percent

Surface layer texture: Mucky peat

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Parent material:

Organic material over clayey glaciolacustrine sediments

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface March April May

Wet soil moisture status is lowest (depth, months):

2.5 feet February

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.3 foot March April May June October
November

Available water capacity to a depth of 60 inches: 18.3 inches

Content of organic matter in the upper 10 inches: 85.0 percent

Typical profile:

Oe--0 to 12 inches; mucky peat
Oa--12 to 32 inches; muck
A--32 to 36 inches; mucky silty clay loam
Cg--36 to 80 inches; silty clay loam

B51A--Blomford-Northwood, Depressional, Complex, 0 To 2 Percent Slopes

Component Description

Blomford and similar soils

Extent: 50 percent of the unit

Geomorphic description:

Moraine

Swale on lake plain

Flat on lake plain

Position on landform:

Toeslope

Slope range: 0 to 2 percent

Surface layer texture: Loamy fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Parent material:

Sandy outwash over fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

0.5 foot April

Wet soil moisture status is lowest (depth, months):

4.1 feet August

Ponding does not occur (months):

January February July August September December
 Ponding is deepest (depth, months):
 0.3 foot March April May
 Available water capacity to a depth of 60 inches: 8.4 inches
 Content of organic matter in the upper 10 inches: 3.0 percent
 Typical profile:
 A--0 to 5 inches; loamy fine sand
 Eg--5 to 23 inches; loamy fine sand
 2Btg--23 to 55 inches; clay loam
 2BCg--55 to 65 inches; silty clay loam
 2Cg--65 to 80 inches; clay loam

Northwood, depressional and similar soils
 Extent: 30 percent of the unit
 Geomorphic description:
 Depression on lake plain
 Slope range: 0 to 1 percent
 Surface layer texture: Muck
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Very poorly drained
 Parent material:
 Organic material over glaciolacustrine deposits and/or till
 Flooding: None
 Wet soil moisture status is highest (depth, months):
 At the surface March April May
 Wet soil moisture status is lowest (depth, months):
 2.5 feet February
 Ponding does not occur (months):
 January February December
 Ponding is deepest (depth, months):
 0.5 foot March April May June October
 November
 Available water capacity to a depth of 60 inches: 11.1 inches
 Content of organic matter in the upper 10 inches: 60.2 percent
 Typical profile:
 Oa--0 to 9 inches; muck
 A--9 to 14 inches; fine sandy loam
 Bg--14 to 24 inches; loamy fine sand
 2BCKg--24 to 64 inches; silty clay loam
 2Cg--64 to 80 inches; clay loam

B55A--Kooch-Kab-Ratroot Complex, 0 To 4 Percent Slopes

Component Description

Kooch and similar soils
 Extent: 45 percent of the unit
 Geomorphic description:
 Moraine
 Position on landform:
 Footslope
 Slope range: 1 to 4 percent
 Surface layer texture: Silt loam
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Somewhat poorly drained
 Parent material:
 Clayey till
 Flooding: None
 Wet soil moisture status is highest (depth, months):
 1.0 foot April
 Wet soil moisture status is lowest (depth, months):

4.9 feet October

Ponding: None

Available water capacity to a depth of 60 inches: 10.2 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

A--0 to 3 inches; silt loam

E--3 to 5 inches; silt loam

E/B--5 to 11 inches; silt loam

Bt--11 to 22 inches; clay

Cg--22 to 80 inches; silty clay loam

Kab and similar soils

Extent: 25 percent of the unit

Geomorphic description:

Moraine

Position on landform:

Toeslope

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Parent material:

Clayey till

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface April

Wet soil moisture status is lowest (depth, months):

3.0 feet August

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.3 foot March April May June November

Available water capacity to a depth of 60 inches: 9.7 inches

Content of organic matter in the upper 10 inches: 4.1 percent

Typical profile:

A--0 to 4 inches; silt loam

Eg--4 to 7 inches; silt loam

B/E--7 to 13 inches; silty clay loam

Btg--13 to 29 inches; clay

Cg--29 to 80 inches; silty clay loam

Ratroot and similar soils

Extent: 20 percent of the unit

Geomorphic description:

Flat on moraine

Swale on moraine

Slope range: 0 to 1 percent

Surface layer texture: Mucky silty clay loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Parent material:

Clayey till

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface March April May

Wet soil moisture status is lowest (depth, months):

1.6 feet February August

Ponding does not occur (months):

January February December

Ponding is deepest (depth, months):

0.5 foot March April May June July August
September October November

Available water capacity to a depth of 60 inches: 9.4 inches
Content of organic matter in the upper 10 inches: 7.8 percent
Typical profile:
A--0 to 6 inches; mucky silty clay loam
Btg--6 to 33 inches; silty clay
Cg--33 to 80 inches; silty clay loam

B60B--Ricelake-Cutaway Complex, 1 To 4 Percent Slopes

Component Description

Ricelake and similar soils
Extent: 60 percent of the unit
Geomorphic description:
Moraine
Beach ridge
Position on landform:
ERROR - YOU HAVE POPULATED HILLSLOPE POSITION TWICE
Slope range: 0 to 3 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat poorly drained
Parent material:
Sandy outwash over fine-loamy till
Flooding: None
Wet soil moisture status is highest (depth, months):
1.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet February August
Ponding: None
Available water capacity to a depth of 60 inches: 7.2 inches
Content of organic matter in the upper 10 inches: 1.4 percent
Typical profile:
A--0 to 2 inches; loamy sand
E--2 to 23 inches; loamy sand
Bt--23 to 30 inches; sandy loam
Bw--30 to 35 inches; sand
2C--35 to 80 inches; clay loam

Cutaway and similar soils
Extent: 20 percent of the unit
Geomorphic description:
Rise on lake plain
Moraine
Position on landform:
Summit
Backslope
Slope range: 2 to 6 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Moderately well drained
Parent material:
Sandy outwash over fine-loamy till
Flooding: None
Wet soil moisture status is highest (depth, months):
2.5 feet April
Wet soil moisture status is lowest (depth, months):
6.7 feet (transitory) August
Ponding: None
Available water capacity to a depth of 60 inches: 7.4 inches
Content of organic matter in the upper 10 inches: 1.6 percent

Typical profile:

A--0 to 3 inches; loamy sand
E--3 to 14 inches; loamy sand
E/B--14 to 31 inches; loamy sand
2Bt--31 to 39 inches; clay loam
2Bk--39 to 50 inches; clay loam
2C--50 to 80 inches; clay loam

Blomford and similar soils

Extent: 10 percent of the unit

Geomorphic description:

Moraine
Swale on lake plain
Flat on lake plain

Position on landform:

Toeslope

Slope range: 0 to 2 percent

Surface layer texture: Loamy fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Parent material:

Sandy outwash over fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

0.5 foot April

Wet soil moisture status is lowest (depth, months):

4.1 feet August

Ponding does not occur (months):

January February July August September December

Ponding is deepest (depth, months):

0.3 foot March April May

Available water capacity to a depth of 60 inches: 8.4 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

A--0 to 5 inches; loamy fine sand
Eg--5 to 23 inches; loamy fine sand
2Btg--23 to 55 inches; clay loam
2BCg--55 to 65 inches; silty clay loam
2Cg--65 to 80 inches; clay loam

B70A--Ricelake-Blomford Complex, 0 To 3 Percent Slopes

Component Description

Ricelake and similar soils

Extent: 55 percent of the unit

Geomorphic description:

Moraine
Flat on lake plain

Position on landform:

ERROR - YOU HAVE POPULATED HILLSLOPE POSITION TWICE

Slope range: 0 to 3 percent

Surface layer texture: Loamy sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Sandy outwash over fine-loamy till

Flooding: None

Wet soil moisture status is highest (depth, months):

1.5 feet April

Wet soil moisture status is lowest (depth, months):

More than 6.7 feet February August
Ponding: None
Available water capacity to a depth of 60 inches: 7.2 inches
Content of organic matter in the upper 10 inches: 1.4 percent
Typical profile:
A--0 to 2 inches; loamy sand
E--2 to 23 inches; loamy sand
Bt--23 to 30 inches; sandy loam
Bw--30 to 35 inches; sand
2C--35 to 80 inches; clay loam

Blomford and similar soils
Extent: 30 percent of the unit
Geomorphic description:
Moraine
Swale on lake plain
Flat on lake plain
Position on landform:
Toeslope
Slope range: 0 to 2 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Parent material:
Sandy outwash over fine-loamy till
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
4.1 feet August
Ponding does not occur (months):
January February July August September December
Ponding is deepest (depth, months):
0.3 foot March April May
Available water capacity to a depth of 60 inches: 8.4 inches
Content of organic matter in the upper 10 inches: 3.0 percent
Typical profile:
A--0 to 5 inches; loamy fine sand
Eg--5 to 23 inches; loamy fine sand
2Btg--23 to 55 inches; clay loam
2BCg--55 to 65 inches; silty clay loam
2Cg--65 to 80 inches; clay loam

B71A--Leafriver-Deford-Markey, Depressional, Complex, 0 To 1 Percent Slopes

Component Description

Leafriver and similar soils
Extent: 50 percent of the unit
Geomorphic description:
Depression on outwash plain
Slope range: 0 to 1 percent
Surface layer texture: Muck
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Parent material:
Herbaceous organic material over sandy outwash
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface March April May
Wet soil moisture status is lowest (depth, months):

2.5 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
0.5 foot March April May June October
November
Available water capacity to a depth of 60 inches: 7.9 inches
Content of organic matter in the upper 10 inches: 60.2 percent
Typical profile:
Oa--0 to 9 inches; muck
A--9 to 14 inches; sandy loam
Cg--14 to 80 inches; loamy sand

Deford and similar soils

Extent: 25 percent of the unit
Geomorphic description:
Swale on lake plain
Flat on lake plain
Outwash plain
Position on landform:
Toeslope
Slope range: 0 to 2 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Parent material:
Sandy outwash
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
4.9 feet August
Ponding does not occur (months):
January February March July August September November
December
Ponding is deepest (depth, months):
0.3 foot April May
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 1.7 percent
Typical profile:
A--0 to 4 inches; loamy sand
C--4 to 60 inches; sand

Markey, depressional and similar soils

Extent: 20 percent of the unit
Geomorphic description:
Depression on lake plain
Slope range: 0 to 1 percent
Surface layer texture: Muck
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Parent material:
Organic material over glaciolacustrine deposits
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface March April May June
Wet soil moisture status is lowest (depth, months):
2.1 feet February
Ponding is shallowest (depth, months):
0.3 foot January February July August
September October November
December

Ponding is deepest (depth, months):

0.5 foot March April May June

Available water capacity to a depth of 60 inches: 14.4 inches

Content of organic matter in the upper 10 inches: 65.0 percent

Typical profile:

Oa--0 to 32 inches; muck

Cg--32 to 60 inches; fine sand

B75B--Grettum-Meehan Complex, 1 To 4 Percent Slopes

Component Description

Grettum and similar soils

Extent: 55 percent of the unit

Geomorphic description:

Outwash plain

Rise on lake plain

Position on landform:

Shoulder

Backslope

Toeslope

Slope range: 1 to 4 percent

Surface layer texture: Loamy sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Parent material:

Sandy outwash

Flooding: None

Wet soil moisture status is highest (depth, months):

2.5 feet April

Wet soil moisture status is lowest (depth, months):

More than 6.7 feet July August

Ponding: None

Available water capacity to a depth of 60 inches: 4.3 inches

Content of organic matter in the upper 10 inches: 1.1 percent

Typical profile:

A--0 to 3 inches; loamy sand

Bw--3 to 32 inches; sand

E and Bt--32 to 75 inches; sand

C--75 to 80 inches; sand

Meehan and similar soils

Extent: 25 percent of the unit

Geomorphic description:

Outwash plain

Flat on lake plain

Rise on lake plain

Position on landform:

Toeslope

Slope range: 0 to 3 percent

Surface layer texture: Loamy sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Parent material:

Sandy outwash

Flooding: None

Wet soil moisture status is highest (depth, months):

1.5 feet April

Wet soil moisture status is lowest (depth, months):

More than 6.7 feet August

Ponding: None

Available water capacity to a depth of 60 inches: 3.9 inches
Content of organic matter in the upper 10 inches: 1.3 percent
Typical profile:
A--0 to 4 inches; loamy sand
Bw--4 to 29 inches; loamy sand
C--29 to 60 inches; sand

B76A--Deford-Leafriver, Depressional, Complex, 0 To 2 Percent Slopes

Component Description

Deford and similar soils
Extent: 55 percent of the unit
Geomorphic description:
Swale on lake plain
Flat on lake plain
Outwash plain
Position on landform:
Toeslope
Slope range: 0 to 2 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Parent material:
Sandy outwash
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
4.9 feet August
Ponding does not occur (months):
January February March July August September November
December
Ponding is deepest (depth, months):
0.3 foot April May
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 1.7 percent
Typical profile:
A--0 to 4 inches; loamy sand
C--4 to 60 inches; sand

Leafriver, depressional and similar soils
Extent: 25 percent of the unit
Geomorphic description:
Depression on outwash plain
Slope range: 0 to 1 percent
Surface layer texture: Muck
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Parent material:
Herbaceous organic material over sandy outwash
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface March April May
Wet soil moisture status is lowest (depth, months):
2.5 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
0.5 foot March April May June October
November

Available water capacity to a depth of 60 inches: 7.9 inches
Content of organic matter in the upper 10 inches: 60.2 percent
Typical profile:
Oa--0 to 9 inches; muck
A--9 to 14 inches; sandy loam
Cg--14 to 80 inches; loamy sand

B77A--Meehan-Deford Complex, 0 To 3 Percent Slopes

Component Description

Meehan and similar soils

Extent: 65 percent of the unit
Geomorphic description:
Outwash plain
Flat on lake plain
Rise on lake plain
Position on landform:
Toeslope
Slope range: 0 to 3 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat poorly drained
Parent material:
Sandy outwash
Flooding: None
Wet soil moisture status is highest (depth, months):
1.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet August
Ponding: None
Available water capacity to a depth of 60 inches: 3.9 inches
Content of organic matter in the upper 10 inches: 1.3 percent
Typical profile:
A--0 to 4 inches; loamy sand
Bw--4 to 29 inches; loamy sand
C--29 to 60 inches; sand

Deford and similar soils

Extent: 20 percent of the unit
Geomorphic description:
Swale on lake plain
Flat on lake plain
Outwash plain
Position on landform:
Toeslope
Slope range: 0 to 2 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Parent material:
Sandy outwash
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
4.9 feet August
Ponding does not occur (months):
January February March July August September November
December
Ponding is deepest (depth, months):

0.3 foot April May
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 1.7 percent
Typical profile:
 A--0 to 4 inches; loamy sand
 C--4 to 60 inches; sand

B78B--Graycalm-Grettum Complex, 2 To 8 Percent Slopes

Component Description

Graycalm and similar soils
 Extent: 60 percent of the unit
 Geomorphic description:
 Outwash plain
 Position on landform:
 ERROR - YOU HAVE POPULATED HILLSLOPE POSITION TWICE
 Slope range: 1 to 8 percent
 Surface layer texture: Loamy sand
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Somewhat excessively drained
 Parent material:
 Sandy outwash
 Flooding: None
 Depth to wet soil moisture status: More than 6.7 feet all year
 Ponding: None
 Available water capacity to a depth of 60 inches: 4.0 inches
 Content of organic matter in the upper 10 inches: 0.8 percent
 Typical profile:
 A--0 to 2 inches; loamy sand
 Bw--2 to 37 inches; loamy sand
 E and Bt--37 to 48 inches; sand
 C--48 to 80 inches; coarse sand

Grettum and similar soils
 Extent: 30 percent of the unit
 Geomorphic description:
 Rise on lake plain
 Outwash plain
 Position on landform:
 Shoulder
 Backslope
 Toeslope
 Slope range: 1 to 4 percent
 Surface layer texture: Loamy sand
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Moderately well drained
 Parent material:
 Sandy outwash
 Flooding: None
 Wet soil moisture status is highest (depth, months):
 2.5 feet April
 Wet soil moisture status is lowest (depth, months):
 More than 6.7 feet July August
 Ponding: None
 Available water capacity to a depth of 60 inches: 4.3 inches
 Content of organic matter in the upper 10 inches: 1.1 percent
 Typical profile:
 A--0 to 3 inches; loamy sand
 Bw--3 to 32 inches; sand
 E and Bt--32 to 75 inches; sand

C--75 to 80 inches; sand

B79B--Sugarbush-Graycalm Complex, 2 To 8 Percent Slopes

Component Description

Sugarbush and similar soils

Extent: 65 percent of the unit

Geomorphic description:

Beach ridge

Outwash plain

Position on landform:

Summit

Shoulder

Slope range: 2 to 8 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Parent material:

Loamy glaciolacustrine deposits over sandy and gravelly outwash

Flooding: None

Depth to wet soil moisture status: More than 6.7 feet all year

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 1.1 percent

Typical profile:

A--0 to 3 inches; sandy loam

E--3 to 13 inches; loamy sand

Bt--13 to 25 inches; sandy loam

2C--25 to 60 inches; gravelly coarse sand

Graycalm and similar soils

Extent: 25 percent of the unit

Geomorphic description:

Outwash plain

Position on landform:

ERROR - YOU HAVE POPULATED HILLSLOPE POSITION TWICE

Slope range: 1 to 8 percent

Surface layer texture: Loamy sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Parent material:

Sandy outwash

Flooding: None

Depth to wet soil moisture status: More than 6.7 feet all year

Ponding: None

Available water capacity to a depth of 60 inches: 4.0 inches

Content of organic matter in the upper 10 inches: 0.8 percent

Typical profile:

A--0 to 2 inches; loamy sand

Bw--2 to 37 inches; loamy sand

E and Bt--37 to 48 inches; sand

C--48 to 80 inches; coarse sand

B146--Kab-Ratroot Complex, 0 To 2 Percent Slopes

Component Description

Kab and similar soils

Extent: 60 percent of the unit

Geomorphic description:

Moraine
Position on landform:
Toeslope
Slope range: 0 to 2 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Parent material:
Clayey till
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April
Wet soil moisture status is lowest (depth, months):
3.0 feet August
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
0.3 foot March April May June November
Available water capacity to a depth of 60 inches: 9.7 inches
Content of organic matter in the upper 10 inches: 4.1 percent
Typical profile:
A--0 to 4 inches; silt loam
Eg--4 to 7 inches; silt loam
B/E--7 to 13 inches; silty clay loam
Btg--13 to 29 inches; clay
Cg--29 to 80 inches; silty clay loam

Ratroot and similar soils

Extent: 25 percent of the unit
Geomorphic description:
Flat on moraine
Swale on moraine
Slope range: 0 to 1 percent
Surface layer texture: Mucky silty clay loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Parent material:
Clayey till
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface March April May
Wet soil moisture status is lowest (depth, months):
1.6 feet February August
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
0.5 foot March April May June July August
September October November
Available water capacity to a depth of 60 inches: 9.4 inches
Content of organic matter in the upper 10 inches: 7.8 percent
Typical profile:
A--0 to 6 inches; mucky silty clay loam
Btg--6 to 33 inches; silty clay
Cg--33 to 80 inches; silty clay loam

B151--Kab-Kooch Complex, 0 To 3 Percent Slopes

Component Description

Kab and similar soils

Extent: 55 percent of the unit
 Geomorphic description:
 Moraine
 Position on landform:
 Toeslope
 Slope range: 0 to 2 percent
 Surface layer texture: Silt loam
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Poorly drained
 Parent material:
 Clayey till
 Flooding: None
 Wet soil moisture status is highest (depth, months):
 At the surface April
 Wet soil moisture status is lowest (depth, months):
 3.0 feet August
 Ponding does not occur (months):
 January February December
 Ponding is deepest (depth, months):
 0.3 foot March April May June November
 Available water capacity to a depth of 60 inches: 9.7 inches
 Content of organic matter in the upper 10 inches: 4.1 percent
 Typical profile:
 A--0 to 4 inches; silt loam
 Eg--4 to 7 inches; silt loam
 B/E--7 to 13 inches; silty clay loam
 Btg--13 to 29 inches; clay
 Cg--29 to 80 inches; silty clay loam

Kooch and similar soils

Extent: 35 percent of the unit
 Geomorphic description:
 Moraine
 Position on landform:
 Footslope
 Slope range: 1 to 4 percent
 Surface layer texture: Silt loam
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Somewhat poorly drained
 Parent material:
 Clayey till
 Flooding: None
 Wet soil moisture status is highest (depth, months):
 1.0 foot April
 Wet soil moisture status is lowest (depth, months):
 4.9 feet October
 Ponding: None
 Available water capacity to a depth of 60 inches: 10.2 inches
 Content of organic matter in the upper 10 inches: 2.5 percent
 Typical profile:
 A--0 to 3 inches; silt loam
 E--3 to 5 inches; silt loam
 E/B--5 to 11 inches; silt loam
 Bt--11 to 22 inches; clay
 Cg--22 to 80 inches; silty clay loam

GP--Pits, Gravel-Udipsamments Complex

Component Description

Pits, gravel

Extent: 50 percent of the unit
Slope range: 1 to 50 percent

Udipsamments

Extent: 40 percent of the unit
Slope range: 1 to 50 percent
Surface layer texture: Sand
Drainage class: Excessively drained
Flooding: None
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 0.2 percent
Typical profile:
H1--0 to 14 inches; sand
H2--14 to 60 inches; sand
H3--60 to 80 inches; coarse sand

M-W--Water, Miscellaneous

Component Description

Water, miscellaneous
Extent: 100 percent of the unit

W--Water

Component Description

Water
Extent: 100 percent of the unit